

WHAT IS CLAIMED IS:

1. In a network of stations interconnected by a transmission medium, a method of operating a station according to a media access control protocol comprises:
 receiving on the transmission medium a first frame transmission having a destination address corresponding to the station; and
 transmitting on the transmission medium a second frame transmission including information from the first frame transmission that is likely unique to the first frame transmission for conveying that the second frame transmission is a response to the first frame transmission.

2. The method of claim 1, wherein the first frame transmission includes a frame check sequence and the information in the second frame transmission includes a received frame check sequence field for specifying at least a portion of the frame check sequence in the first frame transmission and is to be used to determine that the second frame transmission is a response to the first frame transmission.

3. The method of claim 1, wherein the first frame transmission includes an indication that a response is expected.

4. In a network of stations interconnected by a transmission medium, a media access control unit in a station comprising:
 a receive handler to receive on the transmission medium a first frame transmission having a destination address corresponding to the station; and
 a transmit handler to transmit on the transmission medium a second frame transmission including information from the first frame transmission that is likely unique to the first frame transmission for conveying that the second frame transmission is a response to the first frame transmission.

5. The media access control unit of claim 3, wherein the first frame transmission includes a frame check sequence and the information in the second frame transmission

3 includes a received frame check sequence field for specifying at least a portion of the frame
4 check sequence in the first frame transmission and is to be used to determine that the second
5 frame transmission is a response to the first frame transmission.

1 6. The media access control unit of claim 4, wherein the first frame transmission
2 includes an indication that a response is expected..